

Parkell Turbo 25/30 Ultrasonic Scaler (Project 01-69) (12/03)

The Turbo 25/30 is a magnetostrictive ultrasonic scaler marketed by Parkell. It is advertised as having two unique features. It is purported to accept both 25- and 30-KHz inserts as well as any tip designed for Cavitron scalers, and it has a button-activated "Turbo Power Boost" feature which is purported to be easier to use than a traditional control-knob. The Turbo 25/30 unit dimensions are 1.75" H x 5.5" W x 7.0" D. It weighs 32 oz. and comes with a 7-ft handpiece hose, a 7-ft footswitch cable and a 7-ft water hose. Standard equipment



also includes two autoclavable handpiece sheaths. The Turbo 25/30 is available in both 110/230 V electrical power configurations and is compatible with both 50 and 60 Hz.



Manufacturer:

Parkell, Inc.
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(800) 243-7446
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Suggested Retail Price:

\$499.00 for Turbo 25/30 ultrasonic scaler w/foot pedal (item #D578-110)
- \$59.95 for universal 30-KHz internal water scaler insert (item #DUI30)
- \$85.00 for perio 30-KHz internal water scaler insert (item #DPI30)
- \$89.95 for 30-KHz right-curved perio insert (item #DPR30)

Government Price: Same as retail.

ADVANTAGES:

- + Inexpensive
- + Reliable and effective
- + Accepts 25- and 30-KHz inserts
- + Accepts other manufacturers' inserts
- + "Turbo Power Boost" provides quick increase in functional power level
- + Easily cleaned and disinfected
- + Waterlines can be disinfected per manufacturer's guidelines
- + Compact unit
- + Controls and power settings easily adjusted
- + Medication/irrigation accessory unit available
- + Decibel level within OSHA standards

DISADVANTAGES:

- Standard tips too large to provide access to all areas
- High-pitched noise

SUMMARY AND CONCLUSIONS:

The Turbo 25/30 Ultrasonic Scaler is a magnetostrictive scaler marketed by Parkell that accepts both 25- and 30-KHz inserts, as well as inserts from other manufacturers. It has a "Turbo Power Boost" feature allowing quick elevation (and return) to an operating power level at a point halfway between maximum and the power level in current use. This feature allows a temporary power boost assisting in the removal

of more resistant calculus, while allowing a subsequent return to the prior power level. During the clinical evaluation the Turbo 25/30 was found to be user-friendly and simple to operate. It provided reliable performance and was easy to clean and disinfect. Ultrasonic inserts, regardless of manufacturer and KHz designation, were found to be easily interchanged. Both evaluators found the noise to be high-pitched and the tips that were standard equipment with the unit were too large to provide good access to all areas and so supplementation with auxiliary tips should be considered. **The Turbo 25/30** Ultrasonic Scaler is rated **Acceptable** for use by the federal dental services.